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0110 Intelligenetics
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FastDB - Fast Pairwise Comparison of Sequences
Release 5.4

Results file us-09-784-340-1.res made by jdelaval on Tue 4 Sep 101 9:57:12-PRP.

Query sequence being compared: US-09-784-340-1 (1-2759)
Number of sequences searched: 1
Number of scores above cutoff: 1

Results of the initial comparison of US-09-784-340-1 (1-2759) with:
File: 09-784340-3.seq

100-
N -
U 50-
M -
B -
E -
R -
O 10-
S -
E 5-
O -
U -
E -
N -
C -
S 0-
SCORE 0 133 267 400 534 667 801 934 1068 1201
STDVY

PARAMETERS

Similarity matrix Unitary 1 K-tuple 4
Mismatch penalty 1.00 Joining penalty 30
Gap size penalty 0.33 Window size 32
Cutoff score 1
Randomization group 0

SEARCH STATISTICS

Scores: Mean 1201 Median 0 Standard Deviation 0.00
Times: CPU 00:00:00.02 Total Elapsed 00:00:00.00

Number of residues: 21000
Number of sequences searched: 1
Number of scores above cutoff: 1

The scores below are sorted by initial score.
Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Score	Int. Opt.	Sig.	Frame
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1. US-09-784-340-3	Sequence 3, Application US 21000	1201	1609	0.00	0	
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1. US-09-784-340-1 (1-2759)
US-09-784-340-3 Sequence 3, Application US/09784340

Sequence 3, Application US/09784340
GENERAL INFORMATION:

APPLICANT: WEI, Ming-Hui et al.

TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING

TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN

TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: CLO000763

CURRENT APPLICATION NUMBER: US/09/784,340

CURRENT FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 5

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 3

LENGTH: 21000

TYPE: DNA

ORGANISM: Human

NAME/KEY: misc-feature

LOCATION: (1)...(21000)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 1201 Optimized Score = 1609 Significance = 0.00
Residue Identity = 62% Matches = 1796 Mismatches = 828
Gaps = 265 Conservative Substitutions = 0

TTCTAGAGGTTGGAAACACTTTCCCTGATCATTTCTTTTGAATCCTTCAGTACATGTTAACTGG.
10 20 30 40 50 60 70

CAACCAACAGTGAACCTTACTCTTAAATATTTTAACTTCTGCTGTTATTTGATTCATTTCAACTCTCT
80 90 100 110 120 130 140

CAACCAATTCAGATCAGTGTGTGAGGAAAGCCATTCATGAGAGTGTGACAGTACG
150 160 170 180 190 200 210

TGCTTAGTACTACAAACCATTCAGATCAGTGTGAGGAAAGCCATTCATGAGAGTGTGACAGTACG
220 230 240 250 260 270 280

TTTGGATTTTCTGCTCCTGAGCTCTTGTGTGTGCTGTGATTCGTGGAAGTCTGTGGCCCTG
60 70 80 90 100 110 120

TTTGGATTTTCTGCTCCTGAGCTCTTGTGTGTGCTGTGATTCGTGGAAGTCTGTGGCCCTG
130 140 150 160 170 180 190

TTTGGATTTTCTGCTCCTGAGCTCTTGTGTGTGCTGTGATTCGTGGAAGTCTGTGGCCCTG
210 220 230 240 250 260 270

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
280 290 300 310 320 330 340

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
350 360 370 380 390 400 410

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
420 430 440 450 460 470 480

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
490 500 510 520 530 540 550

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
560 570 580 590 600 610 620

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
630 640 650 660 670 680 690

ATTGACTTCACCTCAAGCCCTCGTTAATTTGACTACAGGAAGCCCTTGCATTTGAATTTGGGTGCTCATAT
700 710 720 730 740 750 760

CTGGCAATTCAGTTATAAAATTAATGAATTTTTTTTGTGGAATTAAGGAGCACTTTAAATATGATGCTGAGAG
510 520 530 540 550 560 570

420 430 440 450 460 470 480
CTTTATCTATACATGACGACCTTATGAGAAAGCTTCAGAGAAACCACCTAGATGATATGCTATATGACCCCTGT
TT
CTTTATCTATACATGACGACCTTATGAGAAAGCTTCAGAGAAACCACCTAGATGATATGCTATATGACCCCTGT
580 590 600 610 620 630 640

490 500 510 520 530 540 550 560
GATTCCTCTGGAGACCTGATGGCTGGAGATTCCTCTGGAGATTCCTCTGGAGATTCCTCTGGAGATTCCTCTGGAG
TT
GATTCCTCTGGAGACCTGATGGCTGGAGATTCCTCTGGAGATTCCTCTGGAGATTCCTCTGGAGATTCCTCTGGAG
650 660 670 680 690 700 710 720

570 580 590 600 610 620 630
AGGCATATATGAGACGGAAGCTGTGGGAAATCTTCAGCTCCATCTTCTATCTATCTATCTATCTATCTATCTATCT
TT
AGGCATATATGAGACGGAAGCTGTGGGAAATCTTCAGCTCCATCTTCTATCTATCTATCTATCTATCTATCTATCT
730 740 750 760 770 780 790

640 650 660 670 680 690 700
AACAGACAGATATGACCTTTCTGGAAGAGTAAAAATTCATATGCTTTTCACTTTTGTCTTCACTTCCTGATTTCA
TT
AACAGACAGATATGACCTTTCTGGAAGAGTAAAAATTCATATGCTTTTCACTTTTGTCTTCACTTCCTGATTTCA
800 810 820 830 840 850 860

710 720 730 740 750 760 770
GGATTACGACTATCATTTTTTGGAGAGCTTTATATGTAAGGATTTAGG -AAGG-CCACATCAATATATGAGAG
TT
GGATTACGACTATCATTTTTTGGAGAGCTTTATATGTAAGGATTTAGGATTTAGGATTTAGGATTTAGGATTTAGG
870 880 890 900 910 920 930

780 790 800 810 820 830 840
ACTCTGGGAAAAGCTGATATGCTATATACAGACATATGCTGAT -TTTGAATTCCTCAACATCAAC
TT
ACTCTGGGAAAAGCTGATATGCTATATACAGACATATGCTGAT -TTTGAATTCCTCAACATCAACATCAAC
940 950 960 970 980 990 1000

850 860 870 880 890 900
CTTAACCTTTGAG -TTTGTGTGAGAG -TTTCA -CTGTAAC -TGCCAAAG -CTTTG -CTGTAAG -GAAT
TT
CTTAACCTTTGAG -TTTGTGTGAGAG -TTTCA -CTGTAAC -TGCCAAAG -CTTTG -CTGTAAG -GAAT
GT -CAATGACTTTTTTAAAGATGTGTAGCTGTGTTTTTCAATAAGAAAGATGATTTGCTCTATAGGCTGAG
1010 1020 1030 1040 1050 1060 1070

910 920 930 940 950 960 970
GGAATTTTTCTTCAGAGCTTCAGAGGAGATGCT -ATTGCTGTGTT -TTCTCT -GGGCTCATCTTTCA
TT
GGAATTTTTCTTCAGAGCTTCAGAGGAGATGCT -ATTGCTGTGTT -TTCTCT -GGGCTCATCTTTCA
1080 1090 1100 1110 1120 1130 1140

1080 1090 1100 1110 1120 1130 1140
ATAACCTTACTTTCTTATACCA -GTATATTTACTTTAAATATGATCATCATATATATATATATTTATTTGT
TT
ATAACCTTACTTTCTTATACCA -GTATATTTACTTTAAATATGATCATCATATATATATATTTATTTGT
1150 1160 1170 1180 1190 1200

980 990 1000 1010 1020 1030
AAATGTCTACAG -AGAAAAGGCTATATATCA -TTGCTTCAGACCCCTTGCCCA -TCCCAAGAGAGTGTTA
TT
AAATGTCTACAG -AGAAAAGGCTATATATCA -TTGCTTCAGACCCCTTGCCCA -TCCCAAGAGAGTGTTA
1150 1160 1170 1180 1190 1200

1150 1160 1170 1180 1190 1200
ATTTCCTCCCAATATGCGCAATCAACATGATTTTGGAGAT -CACTGATTTGCTGTGAA -TGTTA
TT
ATTTCCTCCCAATATGCGCAATCAACATGATTTTGGAGAT -CACTGATTTGCTGTGAA -TGTTA
1210 1220 1230 1240 1250 1260 1270

1210 1220 1230 1240 1250 1260 1270
TAGAATTTCTATTTGAAATTAAT -ATGCTAAT -CATTA -TTTTCTCTCATATGATTTAAGAA -
TT
TAGAATTTCTATTTGAAATTAAT -ATGCTAAT -CATTA -TTTTCTCTCATATGATTTAAGAA -
1280 1290 1300 1310 1320 1330 1340

1120 1130 1140 1150 1160 1170 1180
GATCTTC -TTGGTTCATCCCAAAACCAAGCTTTTATCATCTCATGCTGATGATGATGATGATGATGATGATGAT
TT
GATCTTC -TTGGTTCATCCCAAAACCAAGCTTTTATCATCTCATGCTGATGATGATGATGATGATGATGATGATGAT
1280 1290 1300 1310 1320 1330 1340

1190 1200 1210 1220 1230 1240
TTTACATGAGGCTCCCTATGCTG -GGAGTTCCCATATTTGGTATGATGAGCT -GGATACATATCTACCA -
TT
TTTACATGAGGCTCCCTATGCTG -GGAGTTCCCATATTTGGTATGATGAGCT -GGATACATATCTACCA -
TTTA -AT -TTCTTA -GGTGATTTACTTCA -AAACTTGAAAAATATATATTA -AAAGTTAAAAAACT

1340	1350	1360	1370	1380	1390	1400
1250	1260	1270	1280	1290	1300	1310
GAAGG-CCAAAGGAGC---ACCT-GTGA-ATAACTTCAAAATGTCACAAAGCAGACATTTACTGGGC						
TACGCTCTTGCGGCATTAAGATAGTACAGAAATTTTACTTACGATAT-AC-ACCTA--TTTGACTTA---T	1410	1420	1430	1440	1450	1460
1320	1330	1340	1350	1360	1370	1380
TTTGAGACACAGCATTTACCGATTCCTCTTTATTAAG--AGAATGCTATGAGATTATCA-AGAATTCACCTGA						
TTTAA---TTTCTTTGG--TTTACTGATTAAGAAGTGGTTTGGCTTGGCAATTTTCATTTAGTT---GTGA	1470	1480	1490	1500	1510	1520
1390	1400	1410	1420	1430	1440	1450
TCA-ACCT-GTAA-GC---CCCTAGATCGAGC--AGTCTTCTGATCGAGTT-TGT-CATGGCCACAAAG						
TCAGACTGTGTCATCATCAAGACATTTTATTCCAAATATTTGGA--GAATTATGAGAAATCATGAATAAA	1530	1540	1550	1560	1570	1580
1450	1460	1470	1480	1490	1500	1510
GACCACAGACCGTCGATCAGTGGCCATGACCTTACCCTGCTCCAGC-ACCTACTATGATGATTTGGG						
GGTACATTTATTCGGA-CACCAAAATATGTTTATGT-ATTCACAGAAATGT-TATGAT-AACAGCTTT	1600	1610	1620	1630	1640	1650
1520	1530	1540	1550	1560	1570	1580
TTCTCG--CTGA-CTGTGTG---CAACTG-TATATCTGTTTTCAC-AAATGTTTATTTATTTCTGTC						
TCACAGACATTAATTTACAGAGGATCCCACTTAATATGCTTACGCTTTAGCAGCATTTTAATTTCAATATA	1670	1680	1690	1700	1710	1720
1590	1600	1610	1620	1630	1640	1650
AAAAAT---TTAATTAACACAGAAAGATGAAGAAAGGAAATAGATCTTTCCAAATTCAGAAAGACCTGAT						
TTGATTTGCTTTTAATTAATTTTTCATTTCTAGTAACTGTCCTAG--CTGCAGATTAAGCCTA-CCAGCGTTTAT	1740	1750	1760	1770	1780	1790
1650	1660	1670	1680	1690	1700	1710
GGGGTAATCCGTTAATTTCCAGACATGAATTTGGTGAAGAAACCTCTCTATTTTCATATT-ATCTATTTCTG						
GG---ATCTAGGTAA--ACA-ATACAAATCTCTTGCCCTCAAGCTCAC-ATTCAGATTAATTAATTTAAAGG	1810	1820	1830	1840	1850	1860
1730	1740	1750	1760	1770	1780	1790
TTA-TTTATCT-TAGCTAATATAGCCTAGAATTCATGATCATATGAGGTGTAGT-ATATCTCATTTCTTTCG						
GTACAGCATTAAGAGCTCACTGGC--AAATTTTGGT-AAAT-AGGATTAATAGTAAGAAAGCCCCCTACAAAG	1880	1890	1900	1910	1920	1930
1790	1800	1810	1820	1830	1840	1850
-TTGCATTTTCTAGGTGTGCTTACTCTCTCTCTCATCTTTGTGACACAAAGACAT---GAATTAATCTPA						
ATTGAAATTT---AAAAATTAACAACAAGCTGTTATC-AAAGGGGGGA---AAGAGCATTTTCCAAAT-ACACAA	1940	1950	1960	1970	1980	1990
1860	1870	1880	1890	1900	1910	1920
ATT--TTTCTATTTCTGATATCATCTGTT---CCATGACGCTAT--ACCTC-TCTA--ACCTTAAGTAT-A						
ACTGGGTTCTGGCCATGCATTCACAATAATTCGCCCAACATTTCTTTAAAAATCATGAGACAGCTGTGATATATAA	2010	2020	2030	2040	2050	2060
1920	1930	1940	1950	1960	1970	1980
GGGTGACCTGCAATATGCTGATTTCTGCTGTGTCACAAACATGAGATGAAGA--AGTAAAAA-ATGCT						
GAATTCATTTAATCACTAATATTAATTAATG-TAGCTCAACTACTAATTAATTTAGTATTAATATTTAAT	2080	2090	2100	2110	2120	2130
1990	2000	2010	2020	2030	2040	2050
AAATTCACAAATTCAG--TAAA-CCACACAATTCATGACATTCATGATCTAGCTTGTATATAGATTA						
AGAAATATCTATTTGAGCTTAATCAAGAGCTATATATTCACAA-ACATAGAGAAAG--GGATATCAGTTC	2150	2160	2170	2180	2190	2200
210	220	230	240	250	260	270

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